

St Louis WDA Region Occupational Projections 2021-2023

Table of Contents

Tab	Description
<u>1. Major Occupation Groups</u>	Projection and wage data for major occupation groups.
<u>2. Top Job Openings</u>	Top occupations by total annual openings.
<u>3. Fastest Growing</u>	Occupations with the highest projected percentage of job growth between 2021 and 2023.
<u>4. All Occupations</u>	Data for all available detailed occupations. This data includes projected growth and openings, wages, and typical requirements

Short-Term Occupational projections are produced every year and are published in March.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed c

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter the projections.

This workforce product was produced by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. March 2022

Major Occupation Groups Information

Occupation	SOC Code	2021		2023		2021-2023		2020 Wages				Annual Openings			
		Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total		
00-0000 Total, All Occupations		1,138,958	1,169,004	30,046	2.6%	\$28,835	\$55,704	\$43,426	\$68,553	49,016	74,680	15,023	138,719		
11-0000 Management Occupations		66,071	67,901	1,830	2.8%	\$73,295	\$123,123	\$108,613	\$156,510	1,524	3,700	915	6,139		
13-0000 Business and Financial Operations Occupations		79,893	81,222	1,329	1.7%	\$54,121	\$78,855	\$71,097	\$95,256	2,111	4,704	664	7,479		
15-0000 Computer and Mathematical Occupations		45,785	46,422	637	1.4%	\$60,970	\$86,936	\$83,915	\$109,335	954	2,280	318	3,552		
17-0000 Architecture and Engineering Occupations		18,293	18,400	107	0.6%	\$64,743	\$88,808	\$83,276	\$110,369	432	848	54	1,334		
19-0000 Life, Physical, and Social Science Occupations		7,579	7,781	202	2.7%	\$43,901	\$70,017	\$59,587	\$82,775	159	558	101	818		
21-0000 Community and Social Service Occupations		14,775	15,141	366	2.5%	\$34,590	\$46,344	\$43,227	\$56,221	474	956	183	1,613		
23-0000 Legal Occupations		10,145	10,341	196	1.9%	\$47,748	\$85,272	\$64,406	\$102,545	285	408	98	791		
25-0000 Education, Training, and Library Occupations		52,401	54,194	1,793	3.4%	\$32,435	\$55,911	\$45,623	\$64,541	2,167	2,455	896	5,518		
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations		19,774	20,507	733	3.7%	\$32,200	\$52,241	\$46,016	\$63,648	744	1,300	366	2,410		
29-0000 Healthcare Practitioners and Technical Occupations		82,691	84,184	1,493	1.8%	\$46,510	\$75,972	\$62,327	\$86,145	2,099	2,474	746	5,319		
31-0000 Healthcare Support Occupations		59,428	62,117	2,689	4.5%	\$22,653	\$29,349	\$25,824	\$32,275	3,672	3,653	1,344	8,669		
33-0000 Protective Service Occupations		23,291	24,068	777	3.3%	\$30,614	\$51,116	\$43,845	\$69,388	1,152	1,566	388	3,106		
35-0000 Food Preparation and Serving Related Occupations		90,233	98,283	8,050	8.9%	\$20,375	\$26,376	\$23,755	\$29,250	7,108	9,580	4,025	20,713		
37-0000 Building and Grounds Cleaning and Maintenance Occupations		36,598	38,210	1,612	4.4%	\$23,630	\$31,579	\$28,942	\$35,960	2,124	2,729	806	5,659		
39-0000 Personal Care and Service Occupations		35,753	38,253	2,500	7.0%	\$20,942	\$30,080	\$25,256	\$34,855	2,365	2,901	1,250	6,516		
41-0000 Sales and Related Occupations		103,691	103,945	254	0.2%	\$24,056	\$49,805	\$33,520	\$58,752	5,131	7,987	127	13,245		
43-0000 Office and Administrative Support Occupations		163,050	163,309	259	0.2%	\$31,787	\$42,473	\$39,033	\$50,465	7,660	10,030	130	17,820		
45-0000 Farming, Fishing, and Forestry Occupations		1,399	1,427	28	2.0%	\$26,392	\$33,051	\$29,915	\$37,769	60	158	14	232		
47-0000 Construction and Extraction Occupations		51,549	53,771	2,222	4.3%	\$46,599	\$64,711	\$67,973	\$80,732	1,597	3,494	1,111	6,202		
49-0000 Installation, Maintenance, and Repair Occupations		39,902	40,614	712	1.8%	\$38,151	\$53,271	\$51,134	\$65,725	1,274	2,562	356	4,192		
51-0000 Production Occupations		60,684	60,869	185	0.3%	\$29,928	\$43,857	\$39,788	\$52,689	2,334	4,281	92	6,707		
53-0000 Transportation and Material Moving Occupations		75,973	78,045	2,072	2.7%	\$27,245	\$40,056	\$35,386	\$49,550	3,592	6,057	1,036	10,685		

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter these projections figures significantly.

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. March 2022

Top Job Openings

Openings based on job growth as well as replacement needs due to exits or transfers

Top Job Openings - St. Louis 2021-2023

SOC Code	Occupation Title	Percent Growth	Average Annual Wage	Annual Openings	Typical Education Required
35-3023	Fast Food and Counter Workers	7.2%	\$25,107	5,944	No formal educational credential
31-1120	Home Health and Personal Care Aides	7.0%	\$26,856	5,553	High school diploma or equivalent
35-3031	Waiters and Waitresses	9.5%	\$24,801	4,423	No formal educational credential
41-2031	Retail Salespersons	0.1%	\$32,945	4,107	No formal educational credential
41-2011	Cashiers	-1.1%	\$25,601	3,368	No formal educational credential
43-4051	Customer Service Representatives	0.1%	\$38,736	2,954	High school diploma or equivalent
43-9061	Office Clerks, General	0.6%	\$39,033	2,761	High school diploma or equivalent
35-2014	Cooks, Restaurant	15.1%	\$27,958	2,531	No formal educational credential
53-7065	Stockers and Order Fillers	1.5%	\$32,002	2,474	High school diploma or equivalent
11-1021	General and Operations Managers	3.2%	\$115,316	2,385	Bachelor's degree
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2.8%	\$30,738	2,348	No formal educational credential
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2.6%	\$36,784	2,311	No formal educational credential
29-1141	Registered Nurses	1.6%	\$68,561	1,946	Bachelor's degree
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	-0.6%	\$40,195	1,814	High school diploma or equivalent
53-3032	Heavy and Tractor-Trailer Truck Drivers	2.1%	\$52,480	1,610	Postsecondary non-degree award
37-2012	Maids and Housekeeping Cleaners	9.0%	\$25,104	1,568	No formal educational credential
39-9011	Childcare Workers	3.5%	\$26,241	1,541	High school diploma or equivalent
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9.1%	\$36,708	1,354	High school diploma or equivalent
31-1131	Nursing Assistants	-1.1%	\$27,153	1,341	Postsecondary non-degree award
35-2021	Food Preparation Workers	6.9%	\$24,176	1,314	No formal educational credential

Source: 2021-2023 Short-Term Occupational Projections, Missouri Economic Research and Information Center

Fastest Growing Occupations

Fastest growth defined by percent growth from base year to projected year

Fastest Growing Occupations - St. Louis 2021-2023

SOC Code	Occupation Title	Percent Growth	Average Annual Wage	Annual Openings	Typical Education Required
43-4081	Hotel, Motel, and Resort Desk Clerks	30.6%	\$24,470	353	High school diploma or equivalent
39-6012	Concierges	18.8%	\$29,311	81	High school diploma or equivalent
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17.3%	\$23,956	435	No formal educational credential
27-4032	Film and Video Editors	15.1%	\$55,675	46	Bachelor's degree
35-2014	Cooks, Restaurant	15.1%	\$27,958	2,531	No formal educational credential
35-3011	Bartenders	12.0%	\$27,951	1,009	No formal educational credential
27-2042	Musicians and Singers	11.9%	n/a	66	No formal educational credential
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	11.1%	\$24,234	766	No formal educational credential
35-9099	Food Preparation and Serving Related Workers, All Other	11.0%	\$22,631	191	No formal educational credential
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	10.8%	\$22,900	820	No formal educational credential
35-1011	Chefs and Head Cooks	10.8%	\$48,262	106	High school diploma or equivalent
11-9081	Lodging Managers	10.6%	\$66,147	41	High school diploma or equivalent
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	9.6%	\$24,289	111	High school diploma or equivalent
35-3031	Waiters and Waitresses	9.5%	\$24,801	4,423	No formal educational credential
39-9031	Fitness Trainers and Aerobics Instructors	9.4%	\$38,039	800	High school diploma or equivalent
27-2023	Umpires, Referees, and Other Sports Officials	9.4%	\$35,270	258	High school diploma or equivalent
35-9021	Dishwashers	9.3%	\$24,974	438	No formal educational credential
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9.1%	\$36,708	1,354	High school diploma or equivalent
29-1171	Nurse Practitioners	9.1%	\$105,878	255	Master's degree
37-2012	Maids and Housekeeping Cleaners	9.0%	\$25,104	1,568	No formal educational credential

Occupations with less than 40 annual openings are omitted

Source: 2021-2023 Short-Term Occupational Projections, Missouri Economic Research and Information Center

All Occupation Information

Occupation	2021		2023		2021-2023		2020 Wages			Annual Openings				Education, Experience, and Training			
	SOC Code	Title	Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training
00-0000 Total, All Occupations			1,138,958	1,169,004	30,046	2.6%	\$28,835	\$55,704	\$43,426	\$68,553	49,016	74,680	15,023	138,719			
11-0000 Management Occupations	66,071	67,901	1,830	2.8%	\$73,295	\$123,123	\$108,613	\$156,510	1,524	3,700	915	6,139					
11-1011 Chief Executives	3,016	2,995	-21	-0.7%	\$118,728	\$195,535	\$178,509	n/a	82	121	-10	193	Bachelor's degree	5 years or more	None		
11-1021 General and Operations Managers	24,075	24,837	762	3.2%	\$60,461	\$115,316	\$96,825	\$152,334	488	1,516	381	2,385	Bachelor's degree	5 years or more	None		
11-1031 Legislators	281	279	-2	-0.7%	\$19,761	\$37,361	\$19,981	\$29,820	6	14	-1	19	Bachelor's degree	Less than 5 years	None		
11-2011 Advertising and Promotions Managers	211	212	1	0.5%	\$74,490	\$109,993	\$92,070	\$145,122	4	16	0	20	Bachelor's degree	Less than 5 years	None		
11-2021 Marketing Managers	1,497	1,515	18	1.2%	\$104,607	\$148,030	\$139,357	\$180,793	30	95	9	134	Bachelor's degree	5 years or more	None		
11-2022 Sales Managers	2,376	2,410	34	1.4%	\$109,861	\$159,915	\$143,319	\$194,158	48	151	17	216	Bachelor's degree	Less than 5 years	None		
11-2030 Public Relations and Fundraising Managers	781	813	32	4.1%	\$67,385	\$106,971	\$94,846	\$131,075	20	45	16	81	Bachelor's degree	5 years or more	None		
11-3010 Administrative Services and Facilities Managers	2,425	2,478	53	2.2%	\$74,419	\$103,381	\$94,550	\$123,484	70	122	26	218	Bachelor's degree	Less than 5 years	None		
11-3021 Computer and Information Systems Managers	3,710	3,760	50	1.4%	\$104,412	\$146,428	\$141,032	\$171,923	60	212	25	297	Bachelor's degree	5 years or more	None		
11-3031 Financial Managers	4,503	4,653	150	3.3%	\$107,371	\$153,478	\$139,538	\$179,934	94	230	75	399	Bachelor's degree	5 years or more	None		
11-3051 Industrial Production Managers	1,350	1,358	8	0.6%	\$86,069	\$117,830	\$109,800	\$143,287	26	64	4	94	Bachelor's degree	5 years or more	None		
11-3061 Purchasing Managers	451	446	-5	-1.1%	\$90,064	\$123,426	\$109,742	\$144,721	10	24	-2	32	Bachelor's degree	5 years or more	None		
11-3071 Transportation, Storage, and Distribution Managers	815	843	28	3.4%	\$76,437	\$100,812	\$95,637	\$117,037	16	46	14	76	High school diploma or equivalent	5 years or more	None		
11-3111 Compensation and Benefits Managers	90	88	-2	-2.2%	\$115,374	\$149,537	\$137,788	\$176,101	2	4	-1	5	Bachelor's degree	5 years or more	None		
11-3121 Human Resources Managers	1,100	1,122	22	2.0%	\$91,681	\$127,407	\$113,244	\$152,089	26	62	11	99	Bachelor's degree	5 years or more	None		
11-3131 Training and Development Managers	250	252	2	0.8%	\$93,780	\$122,157	\$118,240	\$145,542	6	16	1	23	Bachelor's degree	5 years or more	None		
11-9013 Farmers, Ranchers, and Other Agricultural Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	None		
11-9021 Construction Managers	2,586	2,739	153	5.9%	\$81,728	\$116,480	\$105,227	\$164,583	55	135	76	266	Bachelor's degree	None	Moderate-term on-the-job training		
11-9031 Education Administrators, Preschool and Childcare Center/Program	263	272	9	3.4%	\$48,918	\$61,368	\$58,641	\$66,254	6	12	4	22	Bachelor's degree	Less than 5 years	None		
11-9032 Education Administrators, Elementary and Secondary School	2,298	2,366	68	3.0%	\$79,888	\$96,676	\$95,354	\$113,087	58	108	34	200	Master's degree	5 years or more	None		
11-9033 Education Administrators, Postsecondary	737	758	21	2.9%	\$65,465	\$109,451	\$89,773	\$133,161	18	34	10	62	Master's degree	Less than 5 years	None		
11-9039 Education Administrators, All Other	109	113	4	3.7%	\$58,243	\$87,717	\$92,566	\$108,685	2	5	2	9	Bachelor's degree	Less than 5 years	None		
11-9041 Architectural and Engineering Managers	1,243	1,241	-2	-0.2%	\$120,088	\$157,028	\$150,359	\$188,876	22	63	-1	84	Bachelor's degree	5 years or more	None		
11-9051 Food Service Managers	985	1,048	63	6.4%	\$37,014	\$58,574	\$57,213	\$69,920	31	81	32	144	High school diploma or equivalent	Less than 5 years	None		
11-9071 Gaming Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None		
11-9081 Lodging Managers	245	271	26	10.6%	\$32,908	\$66,147	\$61,453	\$95,173	10	18	13	41	High school diploma or equivalent	Less than 5 years	None		
11-9111 Medical and Health Services Managers	3,726	3,935	209	5.6%	\$80,724	\$113,250	\$101,581	\$130,131	96	194	104	394	Bachelor's degree	Less than 5 years	None		
11-9121 Natural Sciences Managers	295	299	4	1.4%	\$66,475	\$110,746	\$101,824	\$141,208	6	14	2	22	Bachelor's degree	5 years or more	None		
11-9131 Postmasters and Mail Superintendents	40	41	1	2.5%	\$77,568	\$86,746	\$82,961	\$92,742	1	2	0	3	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training		
11-9141 Property, Real Estate, and Community Association Managers	2,454	2,497	43	1.8%	\$48,684	\$77,993	\$61,704	\$103,491	94	94	22	210	High school diploma or equivalent	Less than 5 years	None		
11-9151 Social and Community Service Managers	769	781	12	1.6%	\$54,643	\$67,981	\$62,644	\$77,713	24	42	6	72	Bachelor's degree	Less than 5 years	None		
11-9161 Emergency Management Directors	44	44	0	0.0%	\$55,542	\$83,943	\$71,797	\$108,522	2	2	0	4	Bachelor's degree	5 years or more	None		
11-9171 Funeral Home Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	Less than 5 years	None		
11-9198 Personal Service Managers; Entertainment & Recreation Managers, I	2,490	2,556	66	2.7%	\$98,037	\$133,979	\$126,707	\$158,390	58	124	33	215	Bachelor's degree	Less than 5 years	None		
13-0000 Business and Financial Operations Occupations	79,893	81,222	1,329	1.7%	\$54,121	\$78,855	\$71,097	\$95,256	2,111	4,704	664	7,479					
13-1011 Agents and Business Managers of Artists, Performers, and Athletes	n/a	n/a	n/a	n/a	\$32,014	\$59,169	\$52,338	\$75,938	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training		
13-1020 Buyers and Purchasing Agents	3,396	3,354	-42	-1.2%	\$50,459	\$71,061	\$65,385	\$88,082	114	216	-21	309	Bachelor's degree	None	Long-term on-the-job training		
13-1031 Claims Adjusters, Examiners, and Investigators	3,789	3,800	11	0.3%	\$59,515	\$78,022	\$71,441	\$90,447	90	197	6	293	High school diploma or equivalent	Postsecondary non-degree award	Moderate-term on-the-job training		
13-1032 Insurance Appraisers, Auto Damage	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	Moderate-term on-the-job training		
13-1041 Compliance Officers	1,875	1,875	0	0.0%	\$57,249	\$78,961	\$76,467	\$97,419	45	100	0	145	Bachelor's degree	None	Moderate-term on-the-job training		
13-1051 Cost Estimators	2,102	2,162	60	2.9%	\$55,090	\$72,640	\$68,246	\$86,540	60	128	30	218	Bachelor's degree	None	Moderate-term on-the-job training		
13-1071 Human Resources Specialists	6,196	6,314	118	1.9%	\$45,711	\$64,334	\$59,633	\$79,792	170	416	59	645	Bachelor's degree	None	Moderate-term on-the-job training		
13-1075 Labor Relations Specialists	2,598	2,655	57														

19-2032	Materials Scientists	n/a	n/a	n/a	n/a	\$44,227	\$60,251	\$50,328	\$71,488	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health Geoscientists	143	141	-2	-1.4%	\$44,227	\$60,251	\$50,328	\$71,488	2	12	-1	13	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2043	Hydrologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-3011	Economists	n/a	n/a	n/a	\$59,023	\$86,544	\$71,098	\$98,787	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3022	Survey Researchers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	352	361	9	2.6%	\$59,998	\$116,434	\$88,203	\$129,783	10	14	4	28	Doctoral or professional degree	None	Internship/residency
19-3032	Industrial-Organizational Psychologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	Internship/residency
19-3039	Psychologists, All Other	209	212	3	1.4%	\$92,579	\$95,543	\$104,901	\$111,089	6	8	2	16	Master's degree	None	Internship/residency
19-3041	Sociologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3051	Urban and Regional Planners	61	62	1	1.6%	\$57,987	\$78,263	\$68,524	\$96,620	1	4	0	5	Master's degree	None	None
19-3091	Anthropologists and Archeologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-3092	Geographers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-3093	Historians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3094	Political Scientists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	112	114	2	1.8%	\$60,394	\$76,940	\$73,331	\$93,417	2	8	1	11	Bachelor's degree	None	None
19-4010	Agricultural and Food Science Technicians	174	176	2	1.2%	\$38,702	\$54,036	\$50,451	\$69,945	4	18	1	23	Associate degree	None	Moderate-term on-the-job training
19-4021	Biological Technicians	169	172	3	1.8%	\$36,496	\$49,679	\$45,991	\$60,607	4	17	2	23	Bachelor's degree	None	None
19-4031	Chemical Technicians	473	477	4	0.9%	\$36,212	\$48,403	\$45,716	\$60,489	8	43	2	53	Associate degree	None	Moderate-term on-the-job training
19-4042	Environmental Science and Protection Technicians, Including Health Safety Technicians	180	184	4	2.2%	\$34,198	\$42,447	\$39,231	\$47,969	5	17	2	24	Associate degree	None	None
19-4045	Geological and Hydrologic Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Moderate-term on-the-job training
19-4051	Nuclear Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	n/a	n/a	n/a	n/a	\$43,790	\$53,622	\$50,975	\$61,016	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-4071	Forest and Conservation Technicians	n/a	n/a	n/a	\$27,525	\$30,900	\$29,834	\$32,143	n/a	n/a	n/a	n/a	n/a	Associate degree	None	None
19-4092	Forensic Science Technicians	172	179	7	4.1%	\$39,786	\$53,431	\$49,486	\$64,236	4	16	4	24	Bachelor's degree	None	Moderate-term on-the-job training
19-4099	Life, Physical, and Social Science Technicians, All Other	n/a	n/a	n/a	\$34,367	\$45,333	\$40,507	\$52,385	n/a	n/a	n/a	n/a	n/a	Associate degree	None	None
19-5011	Occupational Health and Safety Specialists	511	524	13	2.5%	\$62,706	\$82,790	\$84,379	\$101,196	14	22	6	42	Bachelor's degree	None	None
19-5012	Occupational Health and Safety Technicians	108	110	2	1.9%	\$39,612	\$61,759	\$58,580	\$73,619	3	4	1	8	High school diploma or equivalent	None	Moderate-term on-the-job training
21-0000 Community and Social Service Occupations		14,775	15,141	366	2.5%	\$44,590	\$46,344	\$43,227	\$56,221	474	956	183	1,613			
21-1012	Educational, Guidance, School, and Vocational Counselors	2,634	2,701	67	2.5%	\$39,100	\$55,453	\$52,004	\$68,244	87	158	34	279	Master's degree	None	None
21-1013	Marriage and Family Therapists	n/a	n/a	n/a	\$36,682	\$44,102	\$41,602	\$49,116	n/a	n/a	n/a	n/a	n/a	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	497	489	-8	-1.6%	\$33,112	\$39,834	\$36,904	\$41,015	16	29	-4	41	Master's degree	None	None
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselor	1,246	1,307	61	4.9%	\$40,675	\$50,382	\$49,413	\$61,262	42	76	30	148	Bachelor's degree	None	None
21-1019	Counselors, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	2,214	2,252	38	1.7%	\$32,718	\$40,878	\$38,734	\$47,551	62	141	19	222	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	3,013	3,105	92	3.1%	\$40,666	\$49,860	\$49,110	\$58,558	86	194	46	326	Master's degree	None	Internship/residency
21-1023	Mental Health and Substance Abuse Social Workers	598	597	-1	-0.2%	\$55,425	\$44,699	\$39,409	\$45,824	17	38	0	55	Master's degree	None	Internship/residency
21-1029	Social Workers, All Other	294	303	9	3.1%	\$53,821	\$67,006	\$71,437	\$82,265	8	19	4	31	Bachelor's degree	None	None
21-1091	Health Educators	372	375	3	0.8%	\$37,412	\$51,795	\$49,631	\$62,563	12	26	2	40	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	488	465	-23	-4.7%	\$36,103	\$42,592	\$40,195	\$47,228	10	28	-12	26	Bachelor's degree	None	Short-term on-the-job training
21-1093	Social and Human Service Assistants	1,884	1,952	68	3.6%	\$21,636	\$29,600	\$25,950	\$35,957	76	144	34	254	High school diploma or equivalent	None	Short-term on-the-job training
21-1094	Community Health Workers	530	556	26	4.9%	\$33,688	\$39,886	\$38,277	\$45,312	18	38	13	69	High school diploma or equivalent	None	Short-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	485	511	26	5.4%	\$35,245	\$43,707	\$40,715	\$50,531	17	34	13	64	Bachelor's degree	None	Moderate-term on-the-job training
21-2011	Clergy	340	347	7	2.1%	\$44,688	\$56,386	\$55,160	\$64,007	14	20	4	38	Bachelor's degree	None	Moderate-term on-the-job training
21-2021	Directors, Religious Activities and Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None
21-2099	Religious Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
23-0000 Legal Occupations		10,145	10,341	196	1.9%	\$47,748	\$85,272	\$64,406	\$102,545	285	408	98	791			
23-1011	Lawyers	5,977	6,115	138	2.3%	\$62,614	\$110,233	\$88,570	\$133,932	130	149	69	348	Doctoral or professional degree	None	None
23-1012	Judicial Law Clerks	47	45	-2	-4.3%	\$45,823	\$64,872	\$57,782	\$74,345	2	2	-1	3	Doctoral or professional degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	69	70	1	1.5%	\$104,912	\$133,334	\$120,342	\$175,640	2	2	0	4	Doctoral or professional degree	5 years or more	Short-term on-the-job training
23-1022	Arbitrators, Mediators, and Conciliators	65	66	1	1.5%	\$56,720	\$78,603	\$65,624	\$100,456	2	2	0				

27-3011	Radio and Television Announcers	231	227	-4	-1.7%	\$21,511	\$53,686	\$30,377	\$51,180	9	12	-2	19	Bachelor's degree	None	None
27-3023	News Analysts, Reporters, and Journalists	191	182	-9	-4.7%	\$24,657	\$39,537	\$31,860	\$47,329	6	14	-4	16	Bachelor's degree	None	None
27-3031	Public Relations Specialists	2,934	3,038	104	3.5%	\$41,724	\$60,310	\$54,381	\$70,449	74	196	52	322	Bachelor's degree	None	None
27-3041	Editors	297	293	-4	-1.4%	\$46,156	\$72,831	\$60,607	\$80,916	10	18	-2	26	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	395	399	4	1.0%	\$56,820	\$71,594	\$68,737	\$87,936	10	24	2	36	Bachelor's degree	Less than 5 years	Short-term on-the-job training
27-3043	Writers and Authors	703	720	17	2.4%	\$48,854	\$58,603	\$58,790	\$66,334	28	39	8	75	Bachelor's degree	None	Long-term on-the-job training
27-3091	Interpreters and Translators	n/a	n/a	n/a	n/a	\$37,288	\$45,850	\$43,671	\$51,048	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
27-3092	Court Reporters and Simultaneous Captioners	75	71	-4	-5.3%	n/a	n/a	n/a	n/a	2	4	-2	4	Postsecondary non-degree award	None	Short-term on-the-job training
27-3099	Media and Communication Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
27-4011	Audio and Video Equipment Technicians	1,111	1,194	83	7.5%	\$35,971	\$47,574	\$46,467	\$57,900	30	84	42	156	Postsecondary non-degree award	None	Short-term on-the-job training
27-4012	Broadcast Technicians	163	168	5	3.1%	\$30,810	\$50,110	\$43,475	\$65,967	4	12	2	18	Associate degree	None	Short-term on-the-job training
27-4014	Sound Engineering Technicians	n/a	n/a	n/a	n/a	\$35,058	\$44,177	\$38,790	\$51,701	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training
27-4021	Photographers	759	790	31	4.1%	\$24,395	\$38,493	\$32,951	\$48,434	26	44	16	86	High school diploma or equivalent	None	Moderate-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	219	223	4	1.8%	\$37,072	\$55,670	\$60,125	\$74,837	7	14	2	23	Bachelor's degree	None	None
27-4032	Film and Video Editors	258	297	39	15.1%	\$30,920	\$55,675	\$51,965	\$73,843	8	18	20	46	Bachelor's degree	None	None
27-4098	Lighting Technicians and Media and Communication Equipment Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
29-0000 Healthcare Practitioners and Technical Occupations	82,691	84,184	1,493	1.8%	\$46,510	\$75,972	\$62,327	\$86,145	2,099	2,474	746	5,319				
29-1011	Chiropractors	365	373	8	2.2%	\$45,902	\$130,899	\$89,504	\$200,213	6	3	4	13	Doctoral or professional degree	None	None
29-1021	Dentists, General	1,002	1,018	16	1.6%	\$99,965	\$153,253	\$159,354	\$196,322	18	8	8	34	Doctoral or professional degree	None	Internship/residency
29-1029	Dentists, All Other Specialists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	613	626	13	2.1%	\$50,400	\$62,849	\$61,587	\$74,908	20	22	6	48	Bachelor's degree	None	None
29-1041	Optometrists	260	266	6	2.3%	\$98,223	\$121,985	\$121,339	\$148,283	4	3	3	10	Doctoral or professional degree	None	None
29-1051	Pharmacists	2,938	2,923	-15	-0.5%	\$116,911	\$127,751	\$131,751	\$149,946	54	56	-8	102	Doctoral or professional degree	None	None
29-1071	Physician Assistants	635	673	38	6.0%	\$37,468	\$83,109	\$97,245	\$116,725	10	26	19	55	Master's degree	None	None
29-1081	Podiatrists	72	72	0	0.0%	\$61,009	\$121,474	\$98,743	\$158,461	2	3	0	5	Doctoral or professional degree	None	Internship/residency
29-1122	Occupational Therapists	1,067	1,097	30	2.8%	\$59,219	\$74,527	\$76,983	\$91,143	24	36	15	75	Master's degree	None	None
29-1123	Physical Therapists	2,129	2,210	81	3.8%	\$68,584	\$83,221	\$84,942	\$97,365	43	45	40	128	Doctoral or professional degree	None	None
29-1124	Radiation Therapists	267	272	5	1.9%	\$64,696	\$78,594	\$76,438	\$91,916	5	8	2	15	Associate degree	None	None
29-1125	Recreational Therapists	135	134	-1	-0.7%	\$42,915	\$52,846	\$49,487	\$62,027	4	6	0	10	Bachelor's degree	None	None
29-1126	Respiratory Therapists	1,203	1,259	56	4.7%	\$48,959	\$58,382	\$57,709	\$66,187	26	31	28	85	Associate degree	None	None
29-1127	Speech-Language Pathologists	1,036	1,085	49	4.7%	\$76,446	\$95,830	\$93,021	\$112,049	24	38	24	86	Master's degree	None	Internship/residency
29-1128	Exercise Physiologists	115	119	4	3.5%	\$41,834	\$54,404	\$49,667	\$63,493	4	4	2	10	Bachelor's degree	None	None
29-1129	Therapists, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
29-1131	Veterinarians	n/a	n/a	n/a	n/a	\$74,822	\$96,419	\$99,957	\$121,686	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	None
29-1141	Registered Nurses	32,427	32,932	505	1.6%	\$53,287	\$68,561	\$66,696	\$82,178	872	822	252	1,946	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	296	303	7	2.4%	\$141,526	\$169,588	\$163,946	\$194,580	6	9	4	19	Master's degree	None	None
29-1161	Nurse Midwives	43	43	0	0.0%	\$105,608	\$122,965	\$120,651	\$139,468	1	2	0	3	Master's degree	None	None
29-1171	Nurse Practitioners	2,541	2,771	230	9.1%	\$92,225	\$105,878	\$103,220	\$118,215	56	84	115	255	Master's degree	None	None
29-1181	Audiologists	219	223	4	1.8%	\$68,915	\$73,217	\$74,411	\$79,906	5	4	2	11	Doctoral or professional degree	None	None
29-1211	Anesthesiologists	130	131	1	0.8%	n/a	\$28,499	n/a	n/a	2	2	0	4	Doctoral or professional degree	None	Internship/residency
29-1215	Family Medicine Physicians	3,700	3,735	35	1.0%	\$62,959	\$174,775	\$176,435	n/a	60	42	18	120	Doctoral or professional degree	None	Internship/residency
29-1216	General Internal Medicine Physicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1218	Obstetricians and Gynecologists	n/a	n/a	n/a	n/a	\$87,108	\$126,766	\$94,567	\$102,026	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1221	Pediatricians, General	n/a	n/a	n/a	n/a	\$160,424	\$202,139	\$191,477	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1223	Psychiatrists	35	35	0	0.0%	\$200,966	\$21,433	n/a	n/a	0	0	0	0	Doctoral or professional degree	None	Internship/residency
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	1,375	1,394	19	1.4%	n/a	\$27,418	n/a	n/a	22	16	10	48	Doctoral or professional degree	None	Internship/residency
29-1248	Surgeons, Except Ophthalmologists	84	84	0	0.0%	\$157,963	\$236,708	n/a	n/a	2	1	0	3	Doctoral or professional degree	None	Internship/residency
29-1292	Dental Hygienists	1,746	1,779	33	1.9%	\$55,465	\$64,341	\$62,995	\$74,374	63	44	-2	123	Associate degree	None	None
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners	137	139	2	1.5%	\$53,465	\$78,032	\$63,189	\$92,579	6	2	1	9	Master's degree	None	None
29-2010	Clinical Laboratory Technologists and Technicians	4,792	4,901	109	2.3%	\$36,386	\$50,711	\$47,402	\$63,599	125	180	54	359	Bachelor's degree	None	None
29-2031	Cardiovascular Technologists and Technicians</td															

39-1013	First-Line Supervisors of Gambling Services Workers	n/a	n/a	n/a	n/a	\$34,415	\$44,105	\$42,257	\$51,513	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None
39-1098	First-Line Supervisors of Personal Service & Entertainment and Recreation Workers	n/a	n/a	n/a	n/a	\$20,867	\$27,960	\$24,930	\$32,049	238	308	152	16	72	High school diploma or equivalent	Less than 5 years	None
39-2011	Animal Trainers	452	485	33	7.3%	\$24,598	\$35,032	\$31,763	\$40,749	22	34	16	16	72	High school diploma or equivalent	None	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	3,568	3,871	303	8.5%	\$20,867	\$27,960	\$24,930	\$32,049	238	308	152	16	72	High school diploma or equivalent	None	Short-term on-the-job training
39-3011	Gaming Dealers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-3019	Gaming Service Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-3021	Motion Picture Projectionists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,299	1,524	225	17.3%	\$21,043	\$23,956	\$23,153	\$25,275	179	144	112	112	435	No formal educational credential	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	1,869	2,013	144	7.7%	\$19,890	\$27,469	\$21,775	\$29,567	190	218	72	72	480	No formal educational credential	None	Short-term on-the-job training
39-3092	Costume Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	417	457	40	9.6%	\$19,893	\$24,289	\$22,345	\$25,260	42	49	20	20	111	High school diploma or equivalent	None	Short-term on-the-job training
39-3099	Entertainment Attendants and Related Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-4011	Embalmers	n/a	n/a	n/a	n/a	\$44,455	\$50,427	\$50,220	\$58,502	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Long-term on-the-job training
39-4021	Funeral Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-4031	Morticians, Undertakers, and Funeral Directors	n/a	n/a	n/a	n/a	\$22,766	\$34,510	\$24,727	\$45,820	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Long-term on-the-job training
39-5011	Barbers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	None
39-5012	Hairdressers, Hairstylists, and Cosmetologists	5,359	5,636	277	5.2%	\$22,260	\$32,607	\$29,113	\$41,206	291	306	138	138	735	Postsecondary non-degree award	None	None
39-5092	Manicurists and Pedicurists	n/a	n/a	n/a	n/a	\$23,547	\$30,293	\$28,599	\$36,326	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	None
39-5094	Skincare Specialists	208	220	12	5.8%	\$23,302	\$36,687	\$32,350	\$41,117	11	12	6	6	29	Postsecondary non-degree award	None	None
39-6011	Baggage Porters and Bellhops	76	104	28	36.8%	\$21,241	\$28,033	\$26,068	\$31,641	4	7	14	14	25	High school diploma or equivalent	None	Short-term on-the-job training
39-6012	Concierges	346	411	65	18.8%	\$22,505	\$29,311	\$24,949	\$35,350	20	29	32	32	81	High school diploma or equivalent	None	Moderate-term on-the-job training
39-7010	Tour and Travel Guides	631	664	33	5.2%	\$23,072	\$28,494	\$25,490	\$31,482	42	60	16	16	118	High school diploma or equivalent	None	Moderate-term on-the-job training
39-9011	Childcare Workers	9,805	10,148	343	3.5%	\$20,860	\$26,241	\$24,935	\$30,272	672	697	172	172	1,541	High school diploma or equivalent	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	3,851	4,213	362	9.4%	\$20,630	\$38,039	\$27,776	\$45,884	236	383	181	181	800	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	3,138	3,274	136	4.3%	\$20,431	\$26,573	\$22,820	\$30,088	188	304	68	68	560	High school diploma or equivalent	None	Short-term on-the-job training
39-9041	Residential Advisors	109	113	4	3.7%	\$28,441	\$34,273	\$32,410	\$39,916	6	10	2	2	18	High school diploma or equivalent	None	Short-term on-the-job training
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	162	171	9	5.6%	\$24,032	\$27,205	\$27,231	\$30,159	10	12	4	4	26	High school diploma or equivalent	None	Short-term on-the-job training
41-0000 Sales and Related Occupations		103,691	103,945	254	0.2%	\$24,056	\$49,805	\$33,520	\$58,752	5,131	7,987	127	13,245				
41-1011	First-Line Supervisors of Retail Sales Workers	8,116	8,032	-84	-1.0%	\$33,498	\$44,132	\$40,148	\$52,745	286	560	-42	804	High school diploma or equivalent	Less than 5 years	None	
41-1012	First-Line Supervisors of Non-Retail Sales Workers	3,061	3,048	-13	-0.4%	\$58,952	\$89,397	\$78,206	\$106,971	88	182	-6	264	High school diploma or equivalent	Less than 5 years	None	
41-2011	Cashiers	19,322	19,109	-213	-1.1%	\$21,078	\$25,601	\$23,669	\$27,109	1,634	1,840	-106	3,368	No formal educational credential	None	Short-term on-the-job training	
41-2012	Gaming Change Persons and Booth Cashiers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	1,681	1,728	47	2.8%	\$23,449	\$39,023	\$35,861	\$47,163	76	117	24	217	No formal educational credential	None	Moderate-term on-the-job training	
41-2022	Parts Salespersons	n/a	n/a	n/a	n/a	\$22,717	\$33,964	\$30,616	\$43,953	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
41-2031	Retail Salespersons	29,523	29,553	30	0.1%	\$22,323	\$32,945	\$26,484	\$34,415	1,652	2,440	15	4,107	No formal educational credential	None	Moderate-term on-the-job training	
41-3011	Advertising Sales Agents	1,034	1,026	-8	-0.8%	\$25,066	\$49,728	\$37,356	\$54,126	32	96	-4	124	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-3021	Insurance Sales Agents	6,252	6,395	143	2.3%	\$39,352	\$72,547	\$54,793	\$83,080	210	354	72	636	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-3031	Securities, Commodities, and Financial Services Sales Agents	5,373	5,362	-11	-0.2%	\$47,922	\$89,147	\$74,081	\$113,535	118	338	-6	450	Bachelor's degree	None	Moderate-term on-the-job training	
41-3041	Travel Agents	636	650	14	2.2%	\$30,633	\$44,103	\$38,670	\$53,465	32	43	7	82	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Finance, and Real Estate	6,110	6,217	107	1.8%	\$41,738	\$71,764	\$59,745	\$89,279	155	154	54	751	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Professional Sales Workers	3,159	3,218	59	1.9%	\$60,790	\$96,736	\$82,049	\$114,178	94	216	30	340	Bachelor's degree	None	Moderate-term on-the-job training	
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Professional Sales Workers	9,058	9,169	111	1.2%	\$46,159	\$81,848	\$63,628	\$96,451	270	616	56	942	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-9011	Demonstrators and Product Promoters	229	229	0	0.0%	\$24,073	\$39,124	\$30,935	\$41,777	26	15	0	41	No formal educational credential	None	Short-term on-the-job training	
41-9012	Models	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	None
41-9021	Real Estate Brokers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
41-9022	Real Estate Sales Agents	3,680	3,759	79	2.2%	\$30,986	\$66,783	\$54,470	\$78,665	154	164	40	358	High school diploma or equivalent	None	Moderate-term on-the-job training	
41-9031	Sales Engineers	611</															

47-2151	Pipelayers	n/a	n/a	n/a	n/a	\$46,971	\$67,436	\$74,850	\$82,417	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	3,650	3,818	168	4.6%	\$51,799	\$71,578	\$75,995	\$91,309	109	268	84	461	High school diploma or equivalent	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	n/a	n/a	n/a	n/a	\$68,006	\$70,241	\$73,189	\$78,373	n/a	n/a	n/a	n/a	No formal educational credential	None	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	n/a	n/a	n/a	n/a	\$46,262	\$60,011	\$61,209	\$75,170	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship
47-2181	Roofers	823	863	40	4.9%	\$38,885	\$57,274	\$57,994	\$76,481	21	59	20	100	No formal educational credential	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	1,875	1,941	66	3.5%	\$39,185	\$63,834	\$68,979	\$86,111	52	124	33	209	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	260	273	13	5.0%	\$58,614	\$66,890	\$71,735	\$79,225	7	20	6	33	High school diploma or equivalent	None	Short-term on-the-job training
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Mar	n/a	n/a	n/a	n/a	\$54,827	\$63,733	\$65,283	\$74,690	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3012	Helpers—Carpenters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-3013	Helpers—Electricians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
47-3015	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters	133	140	7	5.3%	\$32,489	\$45,438	\$40,995	\$59,211	4	12	4	20	High school diploma or equivalent	None	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
47-4011	Construction and Building Inspectors	n/a	n/a	n/a	n/a	\$46,947	\$64,601	\$63,519	\$79,719	n/a	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4021	Elevator Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship
47-4031	Fence Erectors	351	364	13	3.7%	\$26,723	\$38,723	\$31,895	\$44,919	8	27	6	41	No formal educational credential	None	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	n/a	n/a	n/a	n/a	\$39,631	\$58,607	\$67,103	\$76,290	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	1,431	1,436	5	0.4%	\$32,312	\$38,614	\$37,062	\$43,656	56	90	2	148	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	372	379	7	1.9%	\$36,572	\$42,183	\$43,081	\$48,220	12	31	4	47	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4091	Miscellaneous Construction and Related Workers	59	62	3	5.1%	\$46,787	\$52,131	\$59,036	2	5	2	9	High school diploma or equivalent	None	Moderate-term on-the-job training	
47-5012	Rotary Drill Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mi	n/a	n/a	n/a	n/a	\$41,995	\$46,132	\$45,764	\$49,533	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance	n/a	n/a	n/a	n/a	\$42,413	\$45,954	\$46,615	\$50,817	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Long-term on-the-job training
49-0000 Installation, Maintenance, and Repair Occupations	39,902	40,614	712	1.8%	\$38,151	\$53,271	\$51,134	\$65,725	1,274	2,562	356	4,192				
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,760	2,807	47	1.7%	\$55,488	\$70,396	\$67,926	\$83,575	80	166	24	270	High school diploma or equivalent	Less than 5 years	None
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,056	1,048	-8	-0.8%	\$32,130	\$41,797	\$38,782	\$49,655	32	80	-4	108	Some college, no degree	None	Short-term on-the-job training
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Moderate-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line	1,330	1,235	-95	-7.1%	\$52,813	\$61,273	\$60,429	\$69,491	44	98	-48	94	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2091	Avionics Technicians	230	231	1	0.4%	\$66,548	\$78,822	\$81,201	\$94,657	6	10	0	16	Associate degree	None	None
49-2092	Electric Motor, Power Tool, and Related Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Eq	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Long-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equip	188	195	7	3.7%	\$30,705	\$50,930	\$52,510	\$69,890	6	10	4	20	Postsecondary non-degree award	None	Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	n/a	n/a	n/a	n/a	\$23,481	\$36,015	\$35,967	\$47,644	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
49-2098	Security and Fire Alarm Systems Installers	705	724	19	2.7%	\$35,833	\$46,792	\$44,381	\$56,469	24	52	10	86	Postsecondary non-degree award	None	Short-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	953	960	7	0.7%	\$49,240	\$70,906	\$73,731	\$93,577	28	50	4	82	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-3021	Automotive Body and Related Repairers	1,422	1,442	20	1.4%	\$34,842	\$47,679	\$43,894	\$59,105	46	85	10	141	High school diploma or equivalent	None	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	5,581	5,638	57	1.0%	\$36,951	\$47,945	\$49,203	\$59,671	166	380	28	574	Postsecondary non-degree award	None	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,778	1,822	44	2.5%	\$40,286	\$49,294	\$48,448	\$58,261	51	112	22	185	High school diploma or equivalent	None	Long-term on-the-job training
49-3041	Farm Equipment Mechanics and Service Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,125	1,179	54	4.8%	\$49,603	\$59,769	\$61,456	\$72,735	34	78	27	139	High school diploma or equivalent	None	Long-term on-the-job training
49-3043	Rail Car Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
49-3051	Motorboat Mechanics and Service Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Long-term on-the-job training
49-3052	Motorcycle Mechanics	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	499	511	12	2.4%	\$28,175	\$39,503	\$38,459	\$47,958	22	34	6	62	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3091	Bicycle Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	n/a	n/a	n/a	n/a	\$34,164	\$42,011	\$38,281	\$47,031	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
49-3093	Tire Repairers and Changers	n/a	n/a	n/a	n/a	\$30,279	\$34,342	\$34,813	\$38,906	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
49-9011	Mechanical Door Repairers	168	180	12	7.1%	\$36,185	\$49,255	\$46,122	\$59,206	4	10	6	20	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9012	Control and Valve Install															

51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	986	997	11	1.1%	\$30,149	\$40,997	\$38,469	\$51,844	34	74	6	114	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	n/a	n/a	n/a	n/a	\$33,502	\$39,606	\$38,987	\$46,301	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	\$29,677	\$34,930	\$36,239	\$40,433	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	\$27,998	\$37,120	\$34,747	\$43,572	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	n/a	n/a	n/a	n/a	\$36,651	\$49,974	\$47,148	\$61,327	144	296	-36	404	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	3,768	3,695	-73	-1.9%	\$36,651	\$49,974	\$47,148	\$61,327	144	296	-36	404	High school diploma or equivalent	None	Long-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	342	348	6	1.8%	\$35,807	\$42,036	\$39,524	\$45,213	18	23	3	44	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9081	Dental Laboratory Technicians	207	218	11	5.3%	\$31,156	\$45,302	\$40,282	\$50,208	10	18	6	34	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9082	Medical Appliance Technicians	139	145	6	4.3%	\$36,445	\$52,396	\$45,248	\$64,020	6	12	3	21	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	582	602	20	3.4%	\$27,336	\$32,471	\$30,844	\$36,797	26	48	10	84	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	4,606	4,669	63	1.4%	\$29,917	\$43,801	\$37,626	\$56,523	192	308	32	532	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	69	72	3	4.4%	\$28,299	\$33,718	\$34,724	\$38,997	2	5	2	9	No formal educational credential	None	Moderate-term on-the-job training
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,297	1,330	33	2.5%	\$36,622	\$49,124	\$46,127	\$60,283	36	94	16	146	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9141	Semiconductor Processors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	n/a	n/a	n/a	n/a	\$30,598	\$48,865	\$41,037	\$60,677	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	2,044	2,038	-6	-0.3%	\$43,285	\$41,118	\$50,989	\$70	151	-3	218	High school diploma or equivalent	None	Moderate-term on-the-job training	
51-9162	Computer Numerically Controlled Tool Programmers	267	280	13	4.9%	\$57,393	\$72,178	\$71,214	\$82,367	10	20	6	36	Postsecondary non-degree award	None	Moderate-term on-the-job training
51-9191	Adhesive Bonding Machine Operators and Tenders	95	94	-1	-1.1%	\$29,505	\$34,501	\$35,534	\$39,427	6	6	0	12	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	n/a	n/a	n/a	n/a	\$27,873	\$31,523	\$29,921	\$31,975	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	229	233	4	1.8%	\$28,924	\$37,747	\$37,961	\$46,598	8	17	2	27	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9194	Etchers and Engravers	n/a	n/a	n/a	n/a	\$24,865	\$35,230	\$33,489	\$42,889	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	324	338	14	4.3%	\$30,033	\$37,635	\$34,605	\$39,903	12	22	7	41	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	814	781	-33	-4.1%	\$34,295	\$40,338	\$40,774	\$47,537	36	53	-16	73	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9197	Tire Builders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
51-9198	Helpers—Production Workers	645	654	9	1.4%	\$25,444	\$31,552	\$30,134	\$37,278	30	61	4	95	High school diploma or equivalent	None	Short-term on-the-job training
51-9199	Production Workers, All Other	949	977	28	3.0%	\$25,676	\$37,277	\$33,195	\$45,180	33	71	14	118	High school diploma or equivalent	None	Moderate-term on-the-job training
53-0000	Transportation and Material Moving Occupations	75,973	78,045	2,072	2.7%	\$27,245	\$40,056	\$35,386	\$49,550	3,592	6,057	1,036	10,685			
53-1041	Aircraft Cargo Handling Supervisors	95	95	0	0.0%	\$46,142	\$61,241	\$54,133	\$76,219	4	6	0	10	High school diploma or equivalent	Less than 5 years	None
53-1047	Firstline Supervisors of Transportation & Material Moving Workers, All Other	3,110	3,187	77	2.5%	\$45,592	\$64,867	\$61,186	\$77,904	115	218	38	371	High school diploma or equivalent	Less than 5 years	None
53-2011	Airline Pilots, Copilots, and Flight Engineers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
53-2012	Commercial Pilots	315	325	10	3.2%	\$68,308	\$98,581	\$91,361	\$114,318	12	22	5	39	High school diploma or equivalent	None	Moderate-term on-the-job training
53-2021	Air Traffic Controllers	86	88	2	2.3%	\$98,006	\$119,934	\$119,601	\$143,044	2	6	1	9	Associate degree	None	Long-term on-the-job training
53-2022	Airfield Operations Specialists	365	394	29	8.0%	\$26,136	\$35,171	\$30,649	\$40,591	10	26	14	50	High school diploma or equivalent	None	Long-term on-the-job training
53-2031	Flight Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3013	Driver/Sales Workers	3,298	3,435	137	4.2%	\$20,988	\$30,256	\$25,438	\$37,747	138	228	68	434	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	13,392	13,668	276	2.1%	\$43,247	\$52,480	\$52,641	\$62,162	554	918	138	1,610	Postsecondary non-degree award	None	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	6,741	6,936	195	2.9%	\$29,086	\$43,730	\$40,846	\$56,261	280	464	98	842	High school diploma or equivalent	None	Short-term on-the-job training
53-3052	Bus Drivers, Transit and Intercity	n/a	n/a	n/a	n/a	\$30,421	\$38,937	\$37,470	\$47,054	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	5,071	5,379	308	6.1%	\$21,836	\$31,619	\$29,489	\$37,645	344	260	154	758	No formal educational credential	None	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	250	260	10	4.0%	\$45,783	\$59,827	\$55,535	\$64,586	26	15	5	46	No formal educational credential	None	Short-term on-the-job training
53-4011	Locomotive Engineers	130	121	-9	-6.9%	n/a	n/a	n/a	n/a	3	8	-4	7	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-4013	Rail Yard Engineers, Diskin Operators, and Hostlers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firemen	47	43	-4	-8.5%	n/a	n/a	n/a	n/a	1	3	-2	2	High school diploma or equivalent	None	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	148	137	-11	-7.4%	n/a	n/a	n/a	n/a	3	10	-6	7	High school diploma or equivalent	None	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	n/a	n/a	n/a	n/a	\$40,641	\$51,004	\$55,116	\$61,569	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	n/a	n/a	n/a	n/a	\$70,698	\$92,150	\$90,668	\$118,074	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None
53-5022	Motorboat Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None
53-5031	Ship Engineers</td															